

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110623\
 Data File : VN079928.D
 Acq On : 06 Nov 2023 17:21
 Operator : JC\MD
 Sample : PB156885ZHE#11
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 07 04:51:07 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N110123W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 02 05:49:08 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

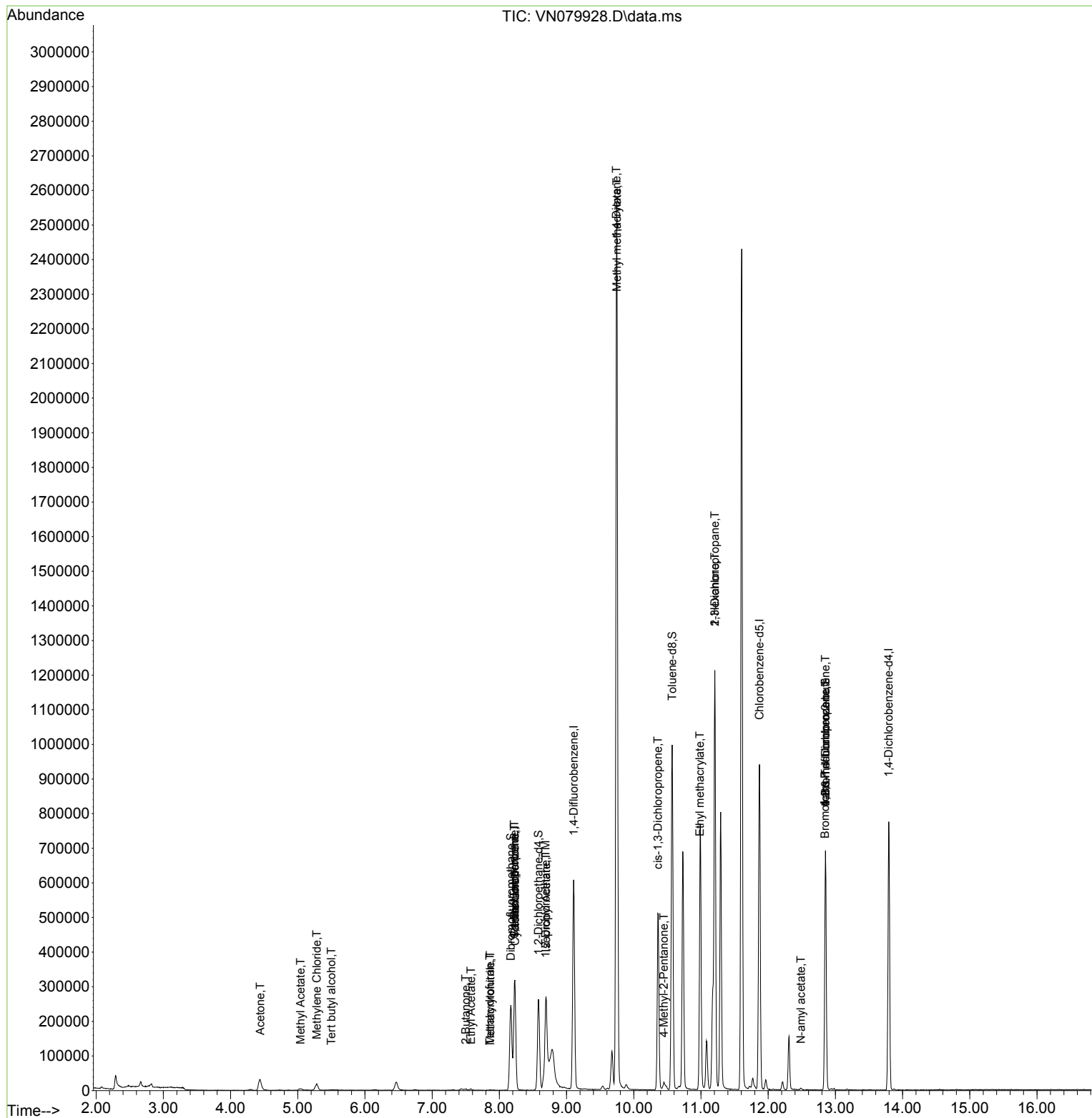
Internal Standards						
1) Pentafluorobenzene	8.229	168	221671	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	493426	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	529417	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	199196	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	214518	63.519	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 127.040%#			
35) Dibromofluoromethane	8.171	113	177298	50.769	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.540%			
50) Toluene-d8	10.570	98	675073	52.509	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 105.020%			
62) 4-Bromofluorobenzene	12.853	95	231775	54.359	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 108.720%			
Target Compounds						Qvalue
3) Chloromethane	2.353	50	1274	Below Cal	#	86
11) Tert butyl alcohol	5.500	59	797	1.849	ug/l #	72
16) Acetone	4.441	43	62430	52.626	ug/l	88
18) Methyl Acetate	5.041	43	9659	1.702	ug/l #	82
20) Methylene Chloride	5.283	84	12917	4.315	ug/l #	78
25) 2-Butanone	7.500	43	6732	3.875	ug/l #	77
29) Tetrahydrofuran	7.859	42	973	0.861	ug/l #	34
31) Cyclohexane	8.235	56	6145	1.377	ug/l #	41
36) 1,1-Dichloropropene	8.224	75	20454	4.102	ug/l #	48
37) Ethyl Acetate	7.577	43	6410	1.402	ug/l #	83
38) Carbon Tetrachloride	8.224	117	24026	4.781	ug/l #	17
41) Methacrylonitrile	7.865	41	487	0.201	ug/l #	15
42) 1,2-Dichloroethane	8.688	62	1715	0.329	ug/l #	73
43) Isopropyl Acetate	8.694	43	350575	43.713	ug/l #	73
48) Methyl methacrylate	9.747	41	234223	66.677	ug/l #	29
49) 1,4-Dioxane	9.741	88	269	4.334	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	23499	5.205	ug/l #	63
54) cis-1,3-Dichloropropene	10.359	75	85055	14.322	ug/l #	72
56) Ethyl methacrylate	10.982	69	3909	0.770	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	12207	1.945	ug/l #	42
59) 2-Hexanone	11.206	43	148757	43.067	ug/l #	48
71) Bromoform	12.847	173	1779	0.606	ug/l #	1
74) N-amyl acetate	12.488	43	2612	0.396	ug/l #	38
76) 1,2,3-Trichloropropane	12.853	75	123831	26.479	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	123831	72.044	ug/l #	15

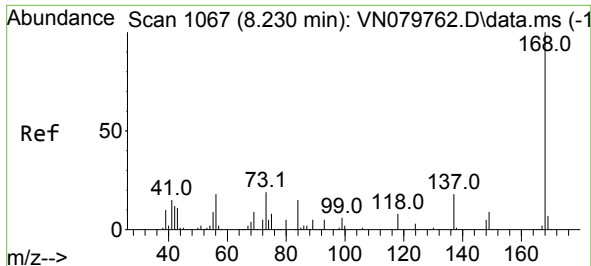
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_N
ClientSampleId :

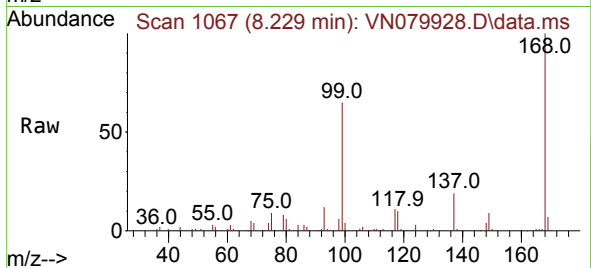
Quant Time: Nov 07 04:51:07 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N110123W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 02 05:49:08 2023
Response via : Initial Calibration



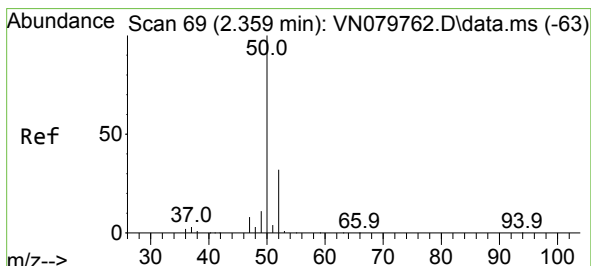
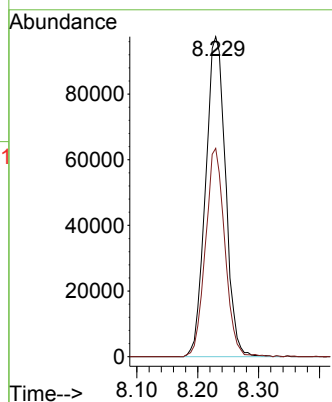
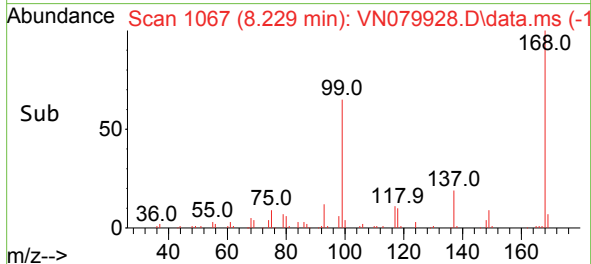


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN079928.D
Acq: 06 Nov 2023 17:21

Instrument :
MSVOA_N
ClientSampleId :

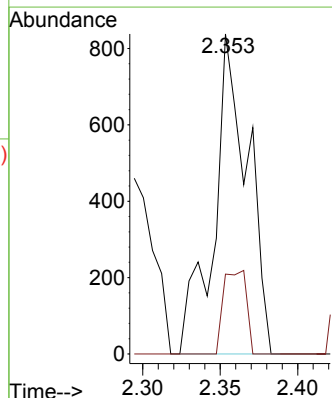
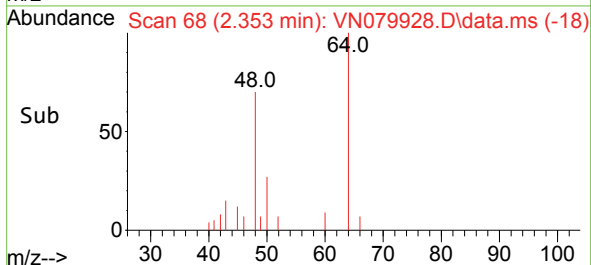
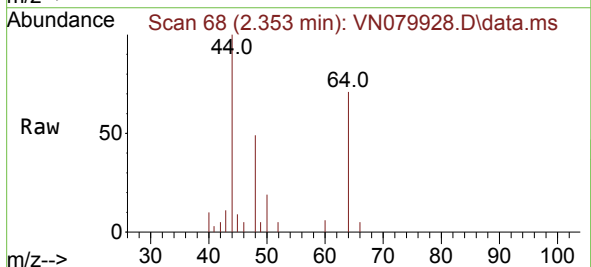


Tgt Ion:168 Resp: 221671
Ion Ratio Lower Upper
168 100
99 65.1 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.353 min Scan# 68
Delta R.T. -0.006 min
Lab File: VN079928.D
Acq: 06 Nov 2023 17:21

Tgt Ion: 50 Resp: 1274
Ion Ratio Lower Upper
50 100
52 24.9 26.5 39.7#

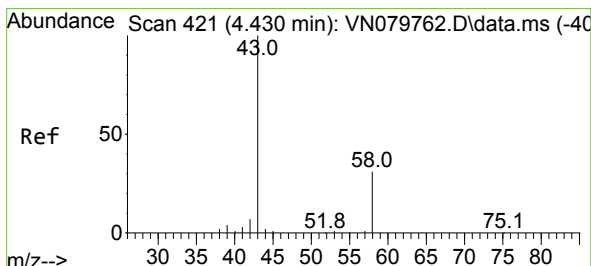
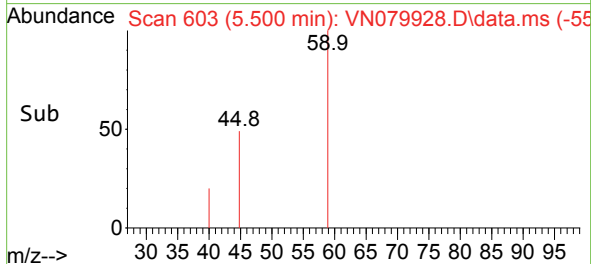
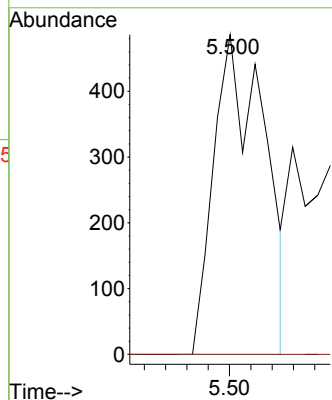
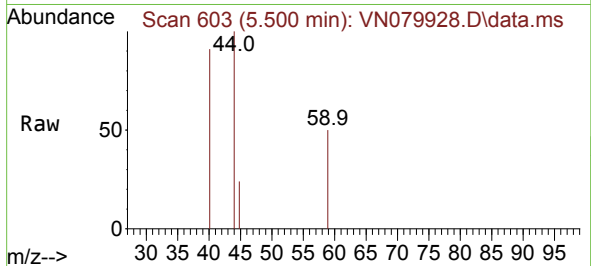




#11
Tert butyl alcohol
Concen: 1.849 ug/l
RT: 5.500 min Scan# 607
Delta R.T. -0.018 min
Lab File: VN079928.D
Acq: 06 Nov 2023 17:21

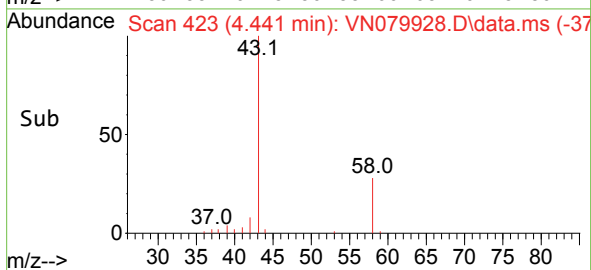
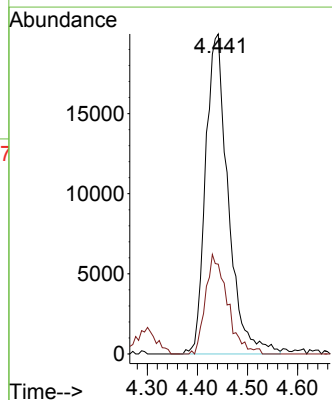
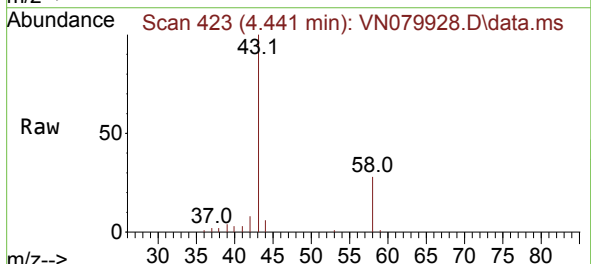
Instrument :
MSVOA_N
ClientSampleId :

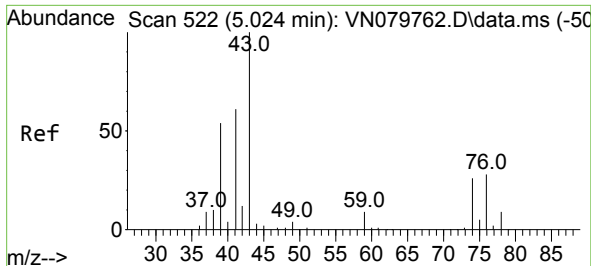
Tgt Ion: 59 Resp: 797
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#16
Acetone
Concen: 52.626 ug/l
RT: 4.441 min Scan# 423
Delta R.T. 0.012 min
Lab File: VN079928.D
Acq: 06 Nov 2023 17:21

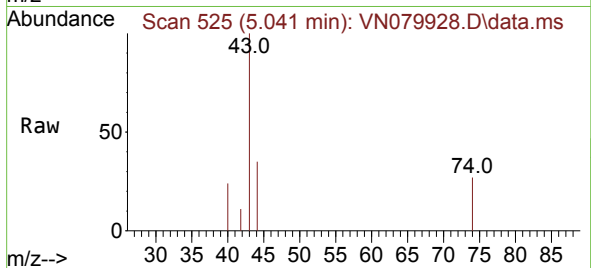
Tgt Ion: 43 Resp: 62430
Ion Ratio Lower Upper
43 100
58 28.1 28.0 42.0



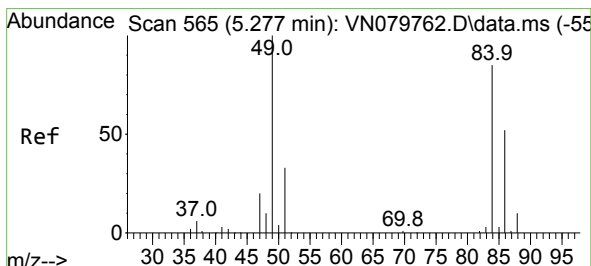
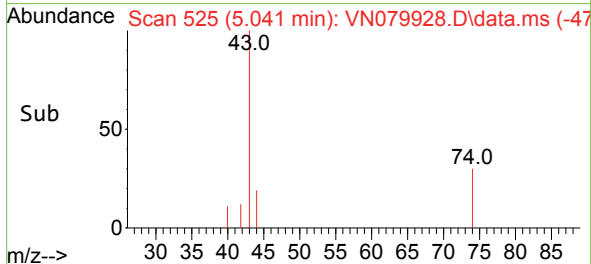
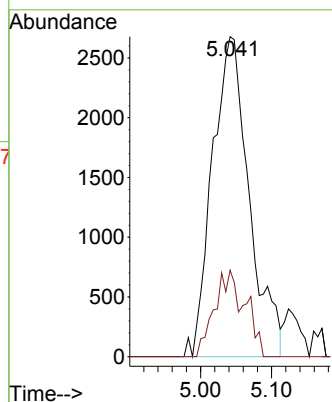


#18
Methyl Acetate
Concen: 1.702 ug/l
RT: 5.041 min Scan# 51
Delta R.T. 0.018 min
Lab File: VN079928.D
Acq: 06 Nov 2023 17:21

Instrument :
MSVOA_N
ClientSampleId :

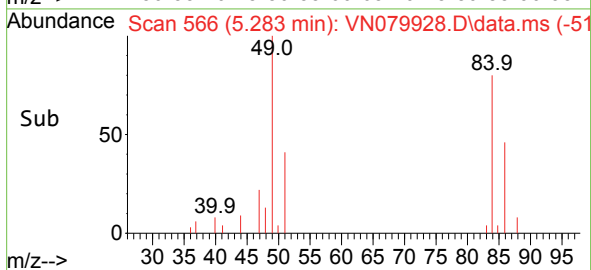
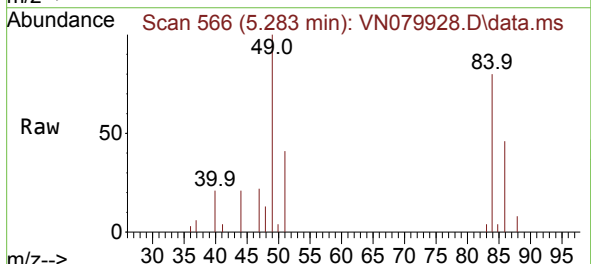
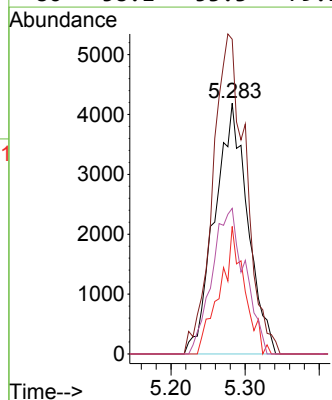


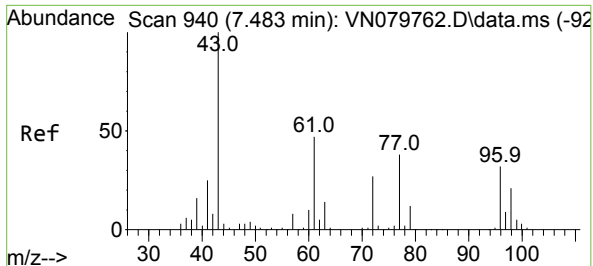
Tgt Ion: 43 Resp: 9659
Ion Ratio Lower Upper
43 100
74 22.4 26.2 39.4#



#20
Methylene Chloride
Concen: 4.315 ug/l
RT: 5.283 min Scan# 566
Delta R.T. 0.012 min
Lab File: VN079928.D
Acq: 06 Nov 2023 17:21

Tgt Ion: 84 Resp: 12917
Ion Ratio Lower Upper
84 100
49 125.5 79.7 119.5#
51 50.9 25.2 37.8#
86 58.1 53.3 79.9

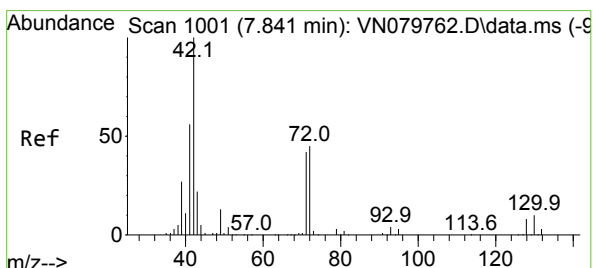
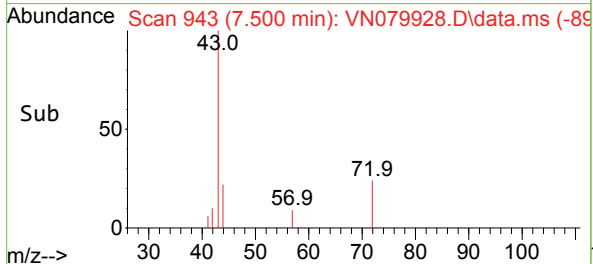
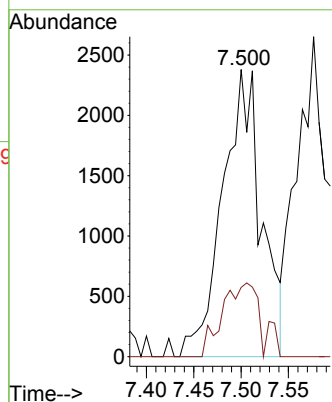
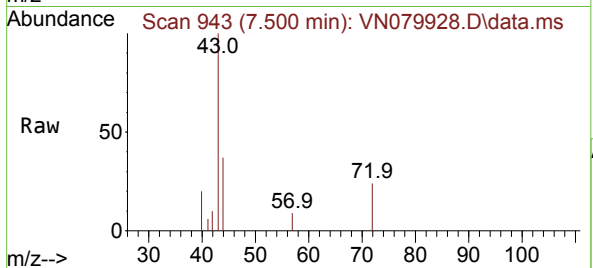




#25
2-Butanone
Concen: 3.875 ug/l
RT: 7.500 min Scan# 940
Delta R.T. 0.012 min
Lab File: VN079928.D
Acq: 06 Nov 2023 17:21

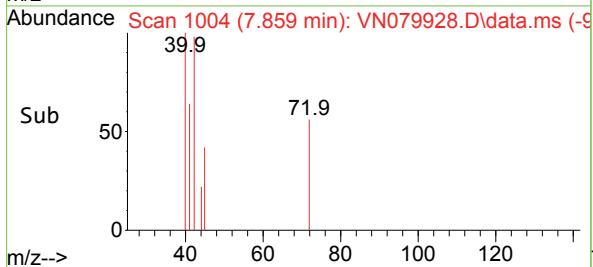
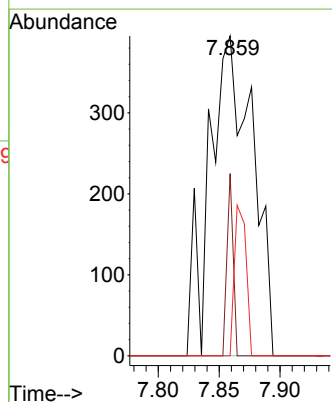
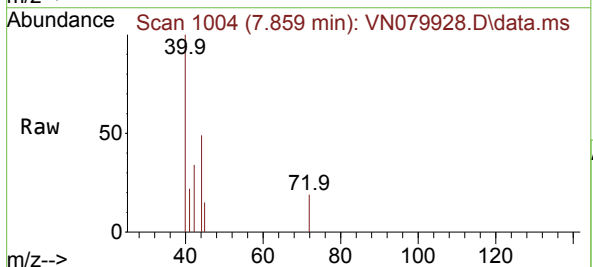
Instrument :
MSVOA_N
ClientSampleId :

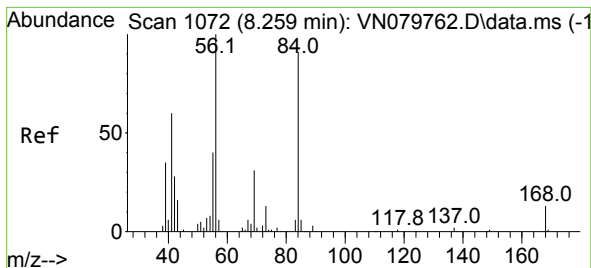
Tgt Ion: 43 Resp: 6732
Ion Ratio Lower Upper
43 100
72 24.1 30.2 45.2#



#29
Tetrahydrofuran
Concen: 0.861 ug/l
RT: 7.859 min Scan# 1004
Delta R.T. 0.018 min
Lab File: VN079928.D
Acq: 06 Nov 2023 17:21

Tgt Ion: 42 Resp: 973
Ion Ratio Lower Upper
42 100
72 8.1 49.8 74.6#
71 12.6 47.4 71.2#





#31

Cyclohexane

Concen: 1.377 ug/l

RT: 8.235 min Scan# 1068

Delta R.T. -0.024 min

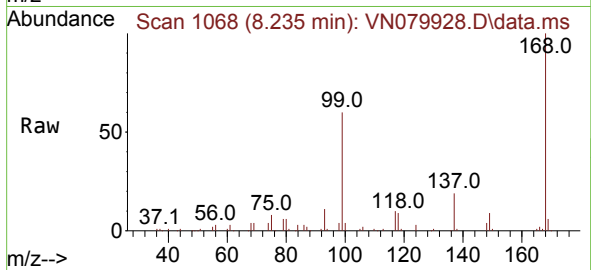
Lab File: VN079928.D

Acq: 06 Nov 2023 17:21

Instrument :

MSVOA_N

ClientSampleId :



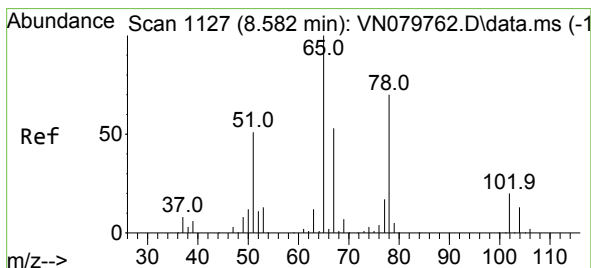
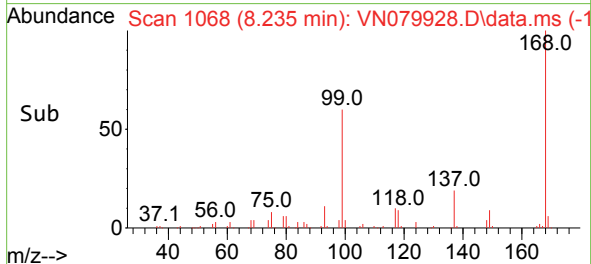
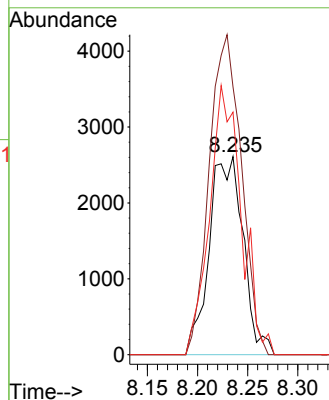
Tgt Ion: 56 Resp: 6145

Ion Ratio Lower Upper

56 100

69 135.2 26.8 40.2#

84 122.5 81.8 122.6



#33

1,2-Dichloroethane-d4

Concen: 63.519 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VN079928.D

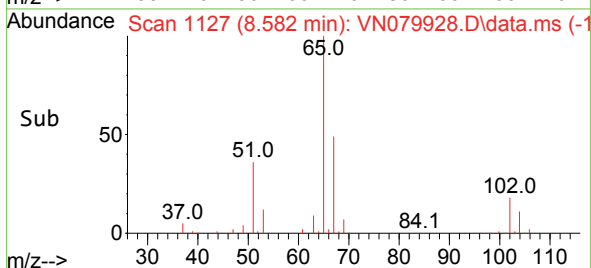
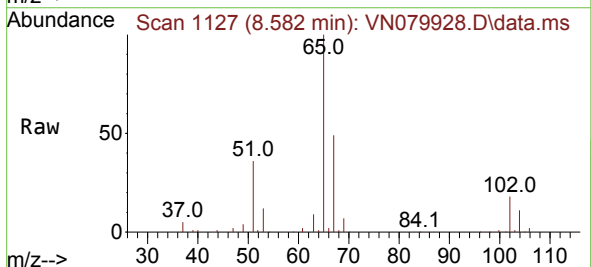
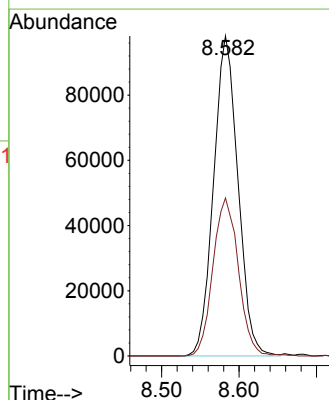
Acq: 06 Nov 2023 17:21

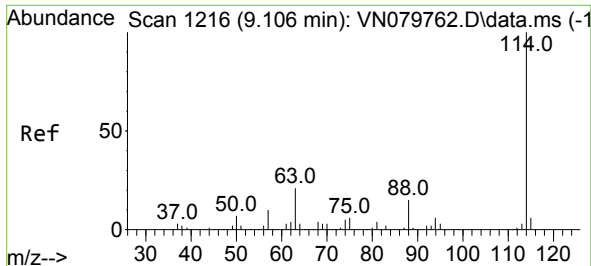
Tgt Ion: 65 Resp: 214518

Ion Ratio Lower Upper

65 100

67 51.6 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN079928.D

Acq: 06 Nov 2023 17:21

Instrument :

MSVOA_N

ClientSampleId :

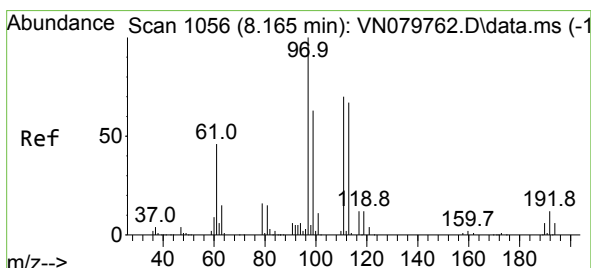
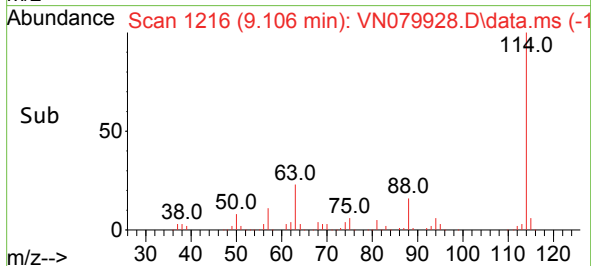
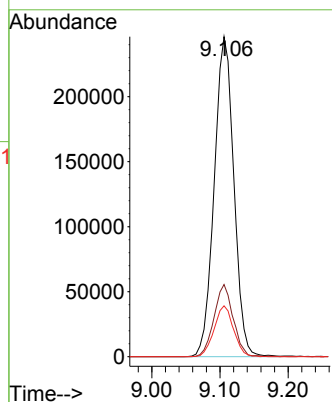
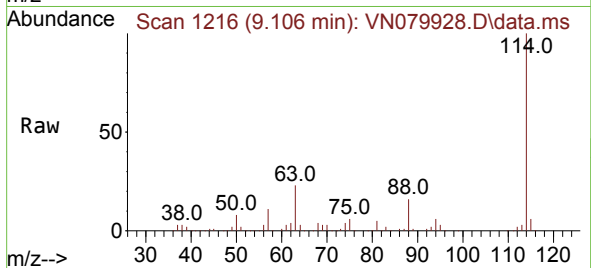
Tgt Ion:114 Resp: 493426

Ion Ratio Lower Upper

114 100

63 22.5 0.0 36.4

88 15.9 0.0 30.6



#35

Dibromofluoromethane

Concen: 50.769 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VN079928.D

Acq: 06 Nov 2023 17:21

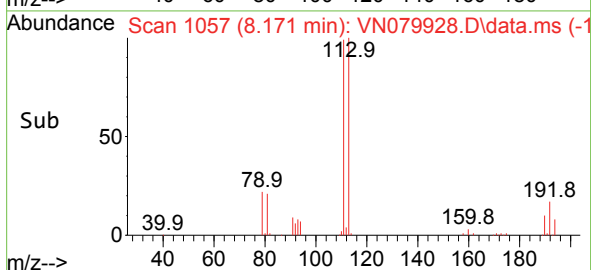
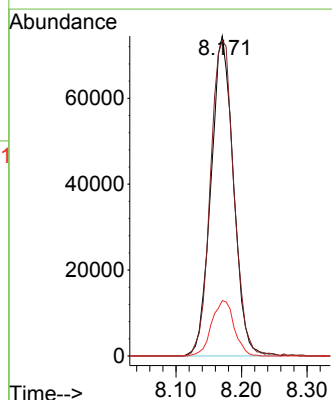
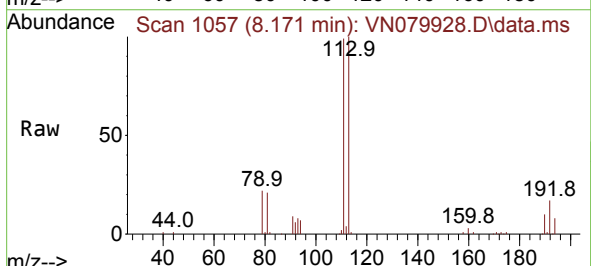
Tgt Ion:113 Resp: 177298

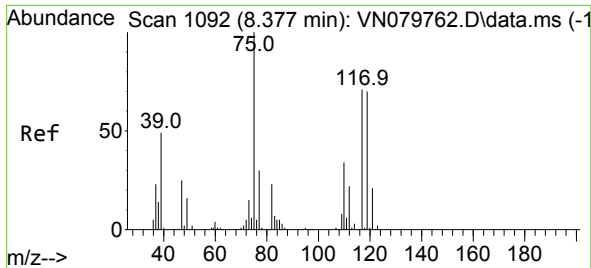
Ion Ratio Lower Upper

113 100

111 102.5 82.6 123.8

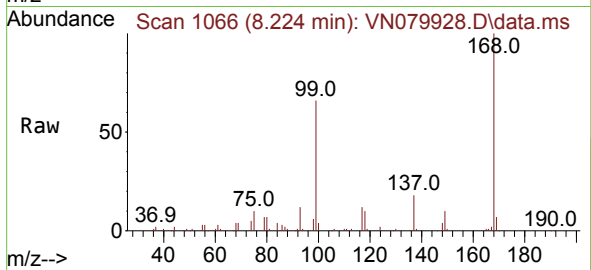
192 17.3 12.7 19.1



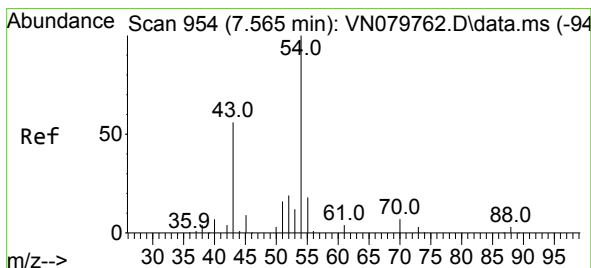
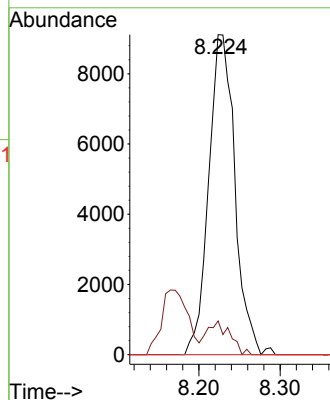
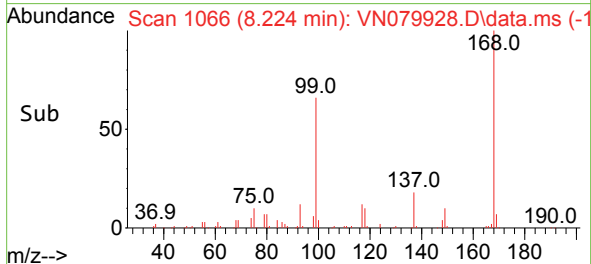


#36
1,1-Dichloropropene
Concen: 4.102 ug/l
RT: 8.224 min Scan# 1092
Delta R.T. -0.153 min
Lab File: VN079928.D
Acq: 06 Nov 2023 17:21

Instrument :
MSVOA_N
ClientSampleId :

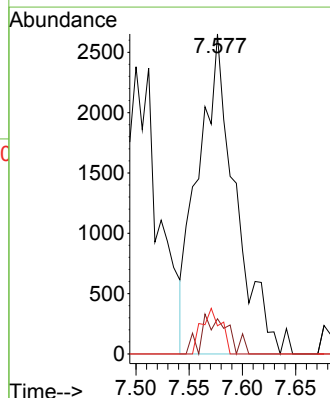
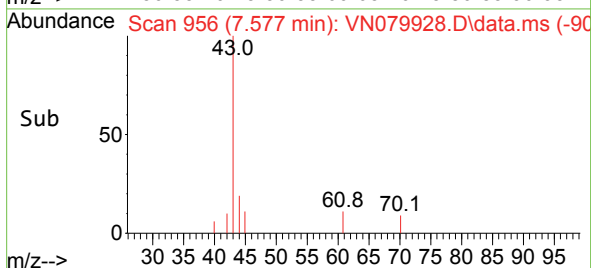
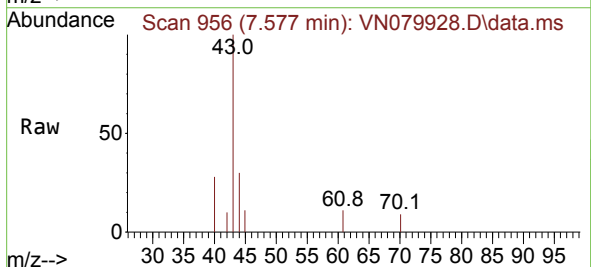


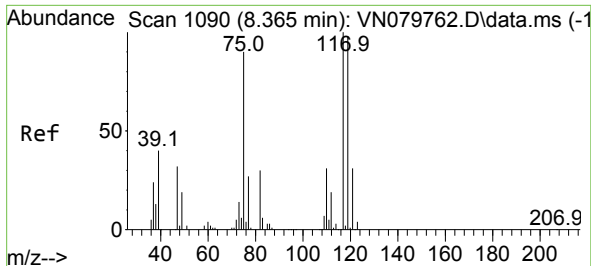
Tgt Ion: 75 Resp: 20454
Ion Ratio Lower Upper
75 100
110 9.3 19.1 57.3#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 1.402 ug/l
RT: 7.577 min Scan# 956
Delta R.T. 0.012 min
Lab File: VN079928.D
Acq: 06 Nov 2023 17:21

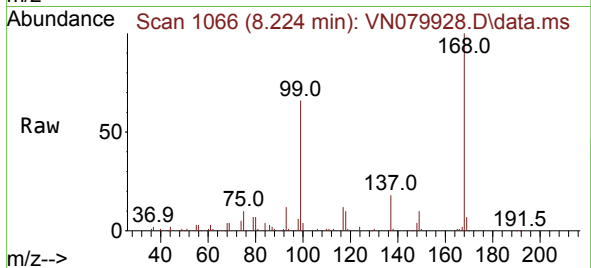
Tgt Ion: 43 Resp: 6410
Ion Ratio Lower Upper
43 100
61 8.9 13.2 19.8#
70 7.5 11.3 16.9#



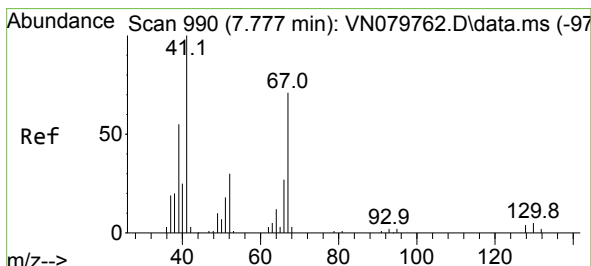
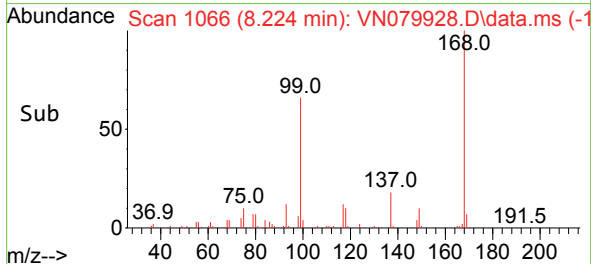
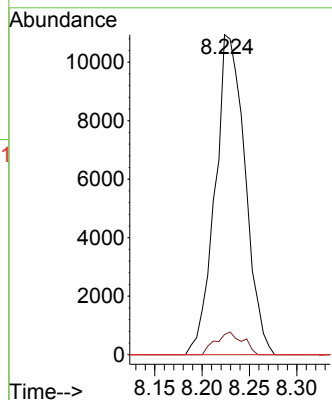


#38
Carbon Tetrachloride
Concen: 4.781 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN079928.D
Acq: 06 Nov 2023 17:21

Instrument :
MSVOA_N
ClientSampleId :

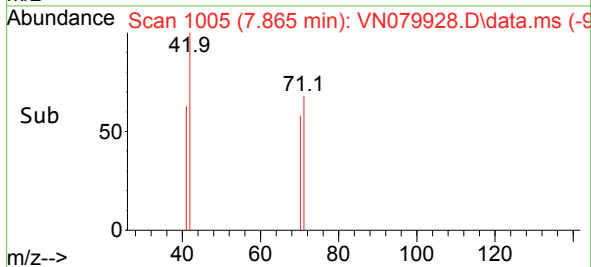
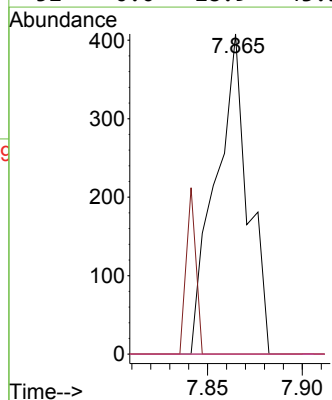
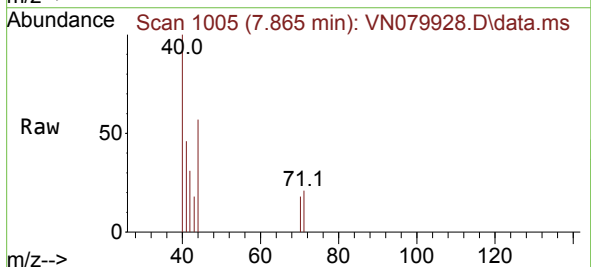


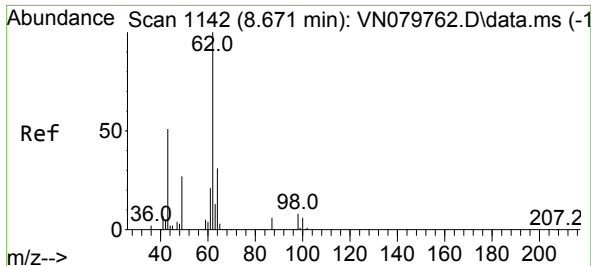
Tgt Ion:117 Resp: 24026
Ion Ratio Lower Upper
117 100
119 6.3 77.3 115.9#
121 0.0 23.3 34.9#



#41
Methacrylonitrile
Concen: 0.201 ug/l
RT: 7.865 min Scan# 1005
Delta R.T. 0.082 min
Lab File: VN079928.D
Acq: 06 Nov 2023 17:21

Tgt Ion: 41 Resp: 487
Ion Ratio Lower Upper
41 100
39 0.0 42.6 64.0#
67 0.0 77.5 116.3#
52 0.0 28.9 43.3#





#42

1,2-Dichloroethane

Concen: 0.329 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.018 min

Lab File: VN079928.D

Acq: 06 Nov 2023 17:21

Instrument :

MSVOA_N

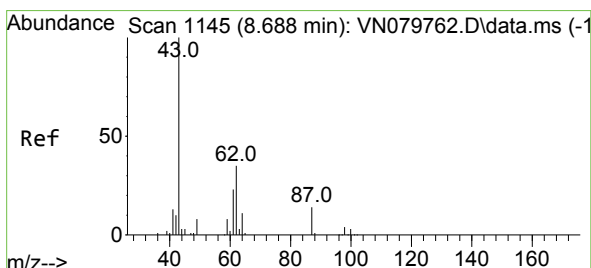
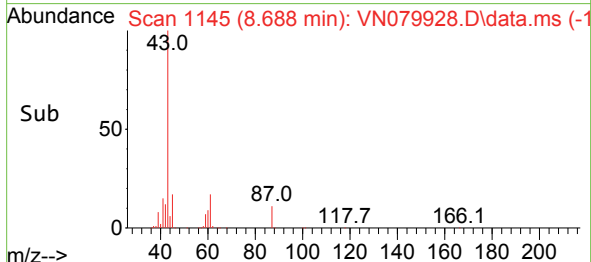
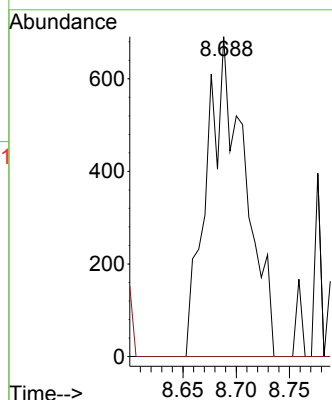
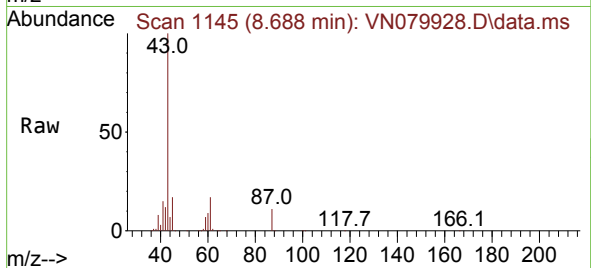
ClientSampleId :

Tgt Ion: 62 Resp: 1715

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.8



#43

Isopropyl Acetate

Concen: 43.713 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.006 min

Lab File: VN079928.D

Acq: 06 Nov 2023 17:21

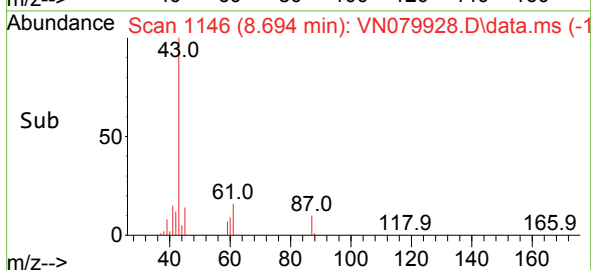
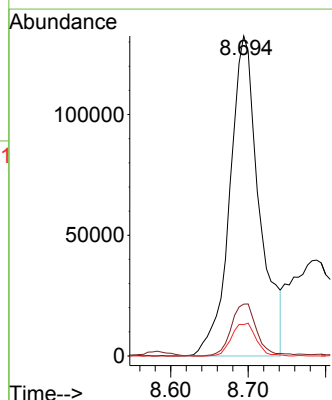
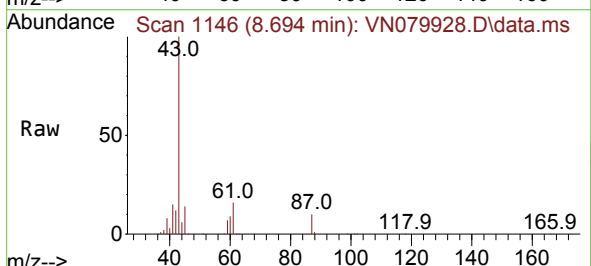
Tgt Ion: 43 Resp: 350575

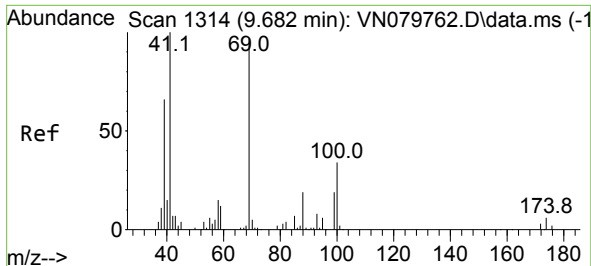
Ion Ratio Lower Upper

43 100

61 14.1 24.7 37.1#

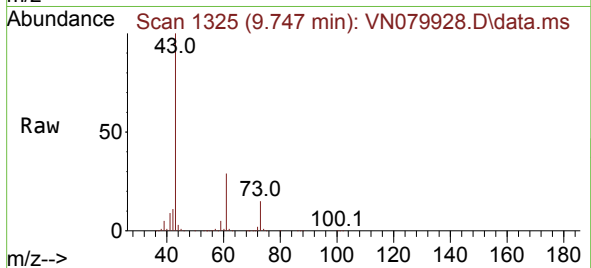
87 8.5 14.6 21.8#



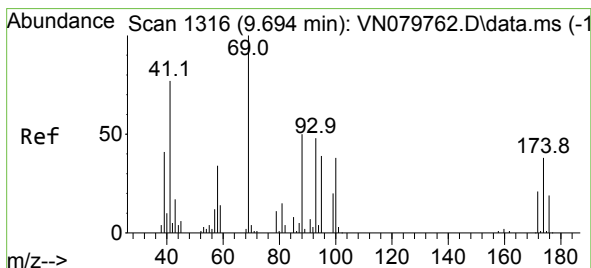
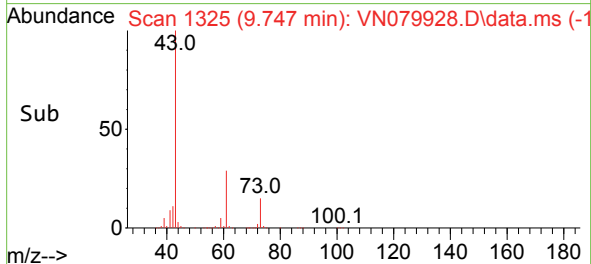
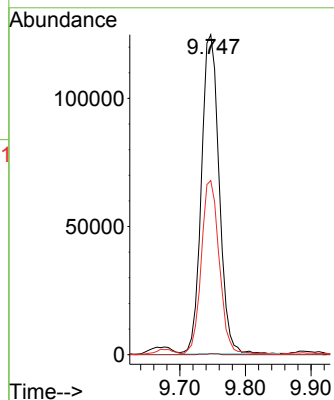


#48
Methyl methacrylate
Concen: 66.677 ug/l
RT: 9.747 min Scan# 11
Delta R.T. 0.065 min
Lab File: VN079928.D
Acq: 06 Nov 2023 17:21

Instrument :
MSVOA_N
ClientSampleId :

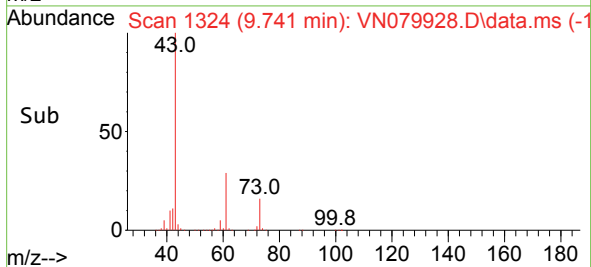
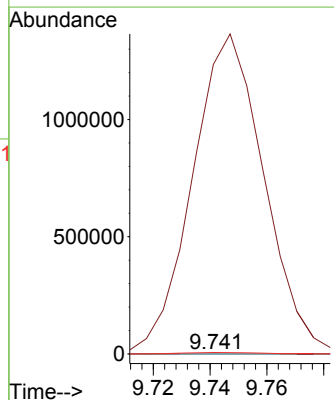
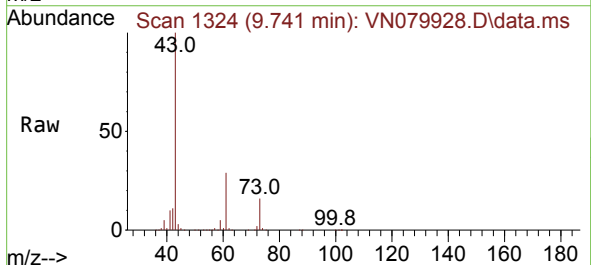


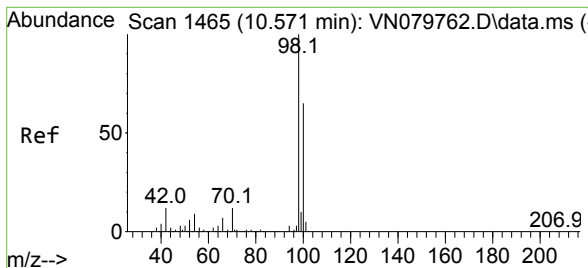
Tgt Ion: 41 Resp: 234223
Ion Ratio Lower Upper
41 100
69 0.2 90.4 135.6#
39 56.0 54.6 81.8



#49
1,4-Dioxane
Concen: 4.334 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.047 min
Lab File: VN079928.D
Acq: 06 Nov 2023 17:21

Tgt Ion: 88 Resp: 269
Ion Ratio Lower Upper
88 100
43 895215.2 17.0 25.6#
58 4555.8 47.0 70.4#

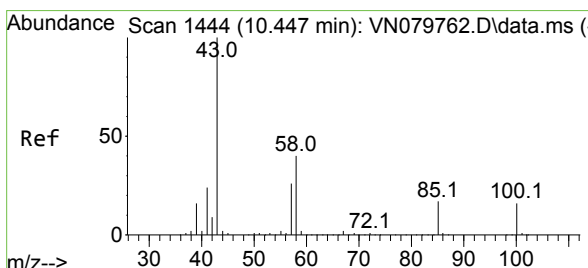
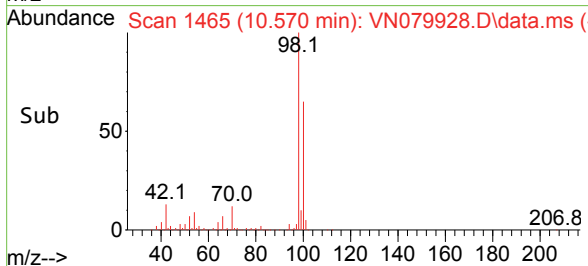
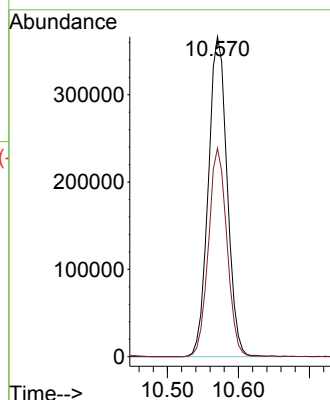
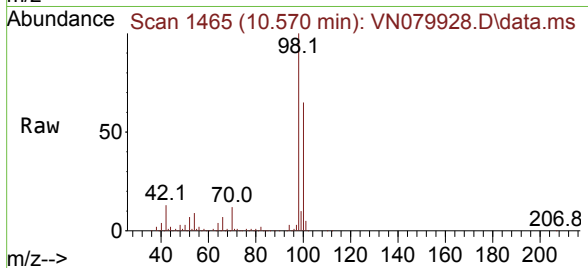




#50
Toluene-d8
Concen: 52.509 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN079928.D
Acq: 06 Nov 2023 17:21

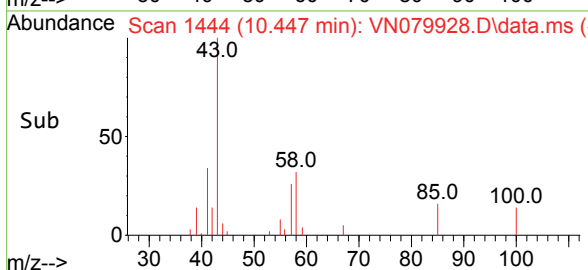
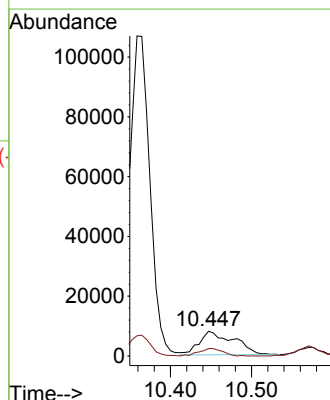
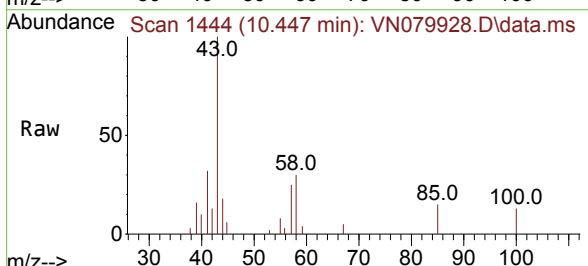
Instrument :
MSVOA_N
ClientSampleId :

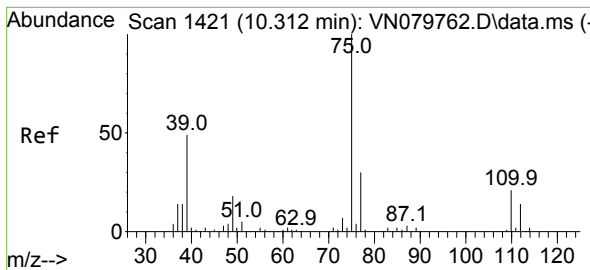
Tgt Ion: 98 Resp: 675073
Ion Ratio Lower Upper
98 100
100 63.9 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 5.205 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN079928.D
Acq: 06 Nov 2023 17:21

Tgt Ion: 43 Resp: 23499
Ion Ratio Lower Upper
43 100
58 21.6 36.6 54.8#

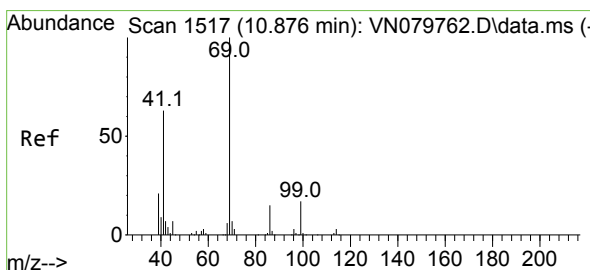
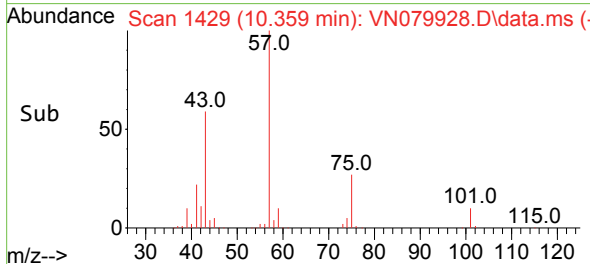
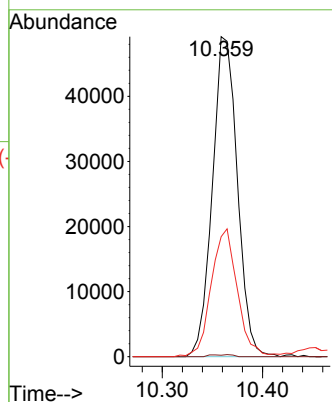
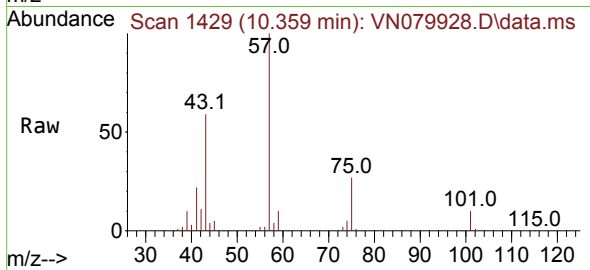




#54
 cis-1,3-Dichloropropene
 Concen: 14.322 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.041 min
 Lab File: VN079928.D
 Acq: 06 Nov 2023 17:21

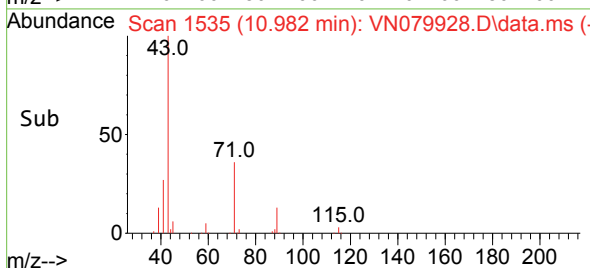
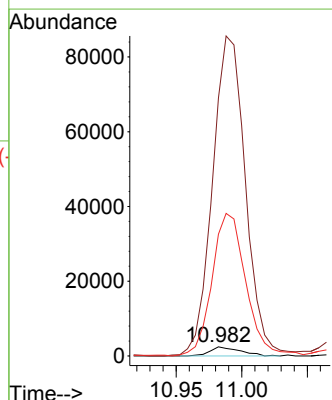
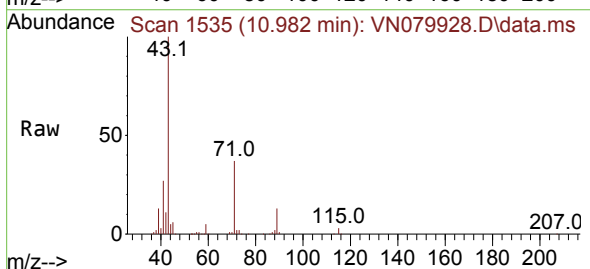
Instrument :
 MSVOA_N
 ClientSampleId :

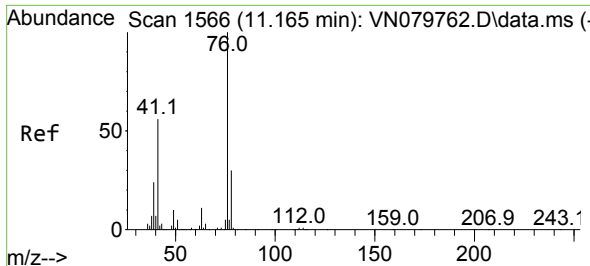
Tgt Ion: 75 Resp: 85055
 Ion Ratio Lower Upper
 75 100
 77 0.5 26.1 39.1#
 39 37.0 31.6 47.4



#56
 Ethyl methacrylate
 Concen: 0.770 ug/l
 RT: 10.982 min Scan# 1535
 Delta R.T. 0.106 min
 Lab File: VN079928.D
 Acq: 06 Nov 2023 17:21

Tgt Ion: 69 Resp: 3909
 Ion Ratio Lower Upper
 69 100
 41 3835.3 39.6 59.4#
 39 1750.1 28.6 43.0#





#57

1,3-Dichloropropane

Concen: 1.945 ug/l

RT: 11.206 min Scan# 1573

Delta R.T. 0.041 min

Lab File: VN079928.D

Acq: 06 Nov 2023 17:21

Instrument :

MSVOA_N

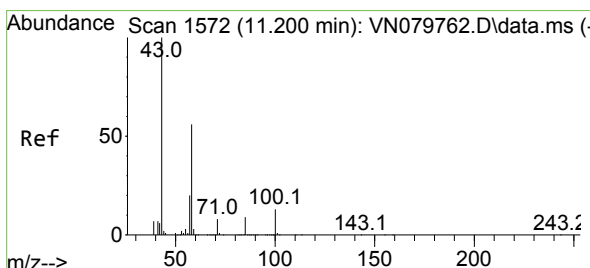
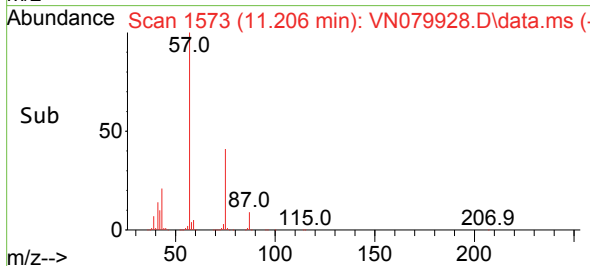
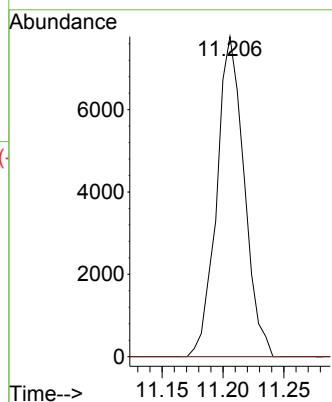
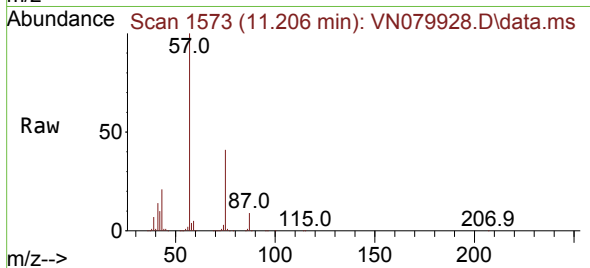
ClientSampleId :

Tgt Ion: 76 Resp: 12207

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 43.067 ug/l

RT: 11.206 min Scan# 1573

Delta R.T. 0.006 min

Lab File: VN079928.D

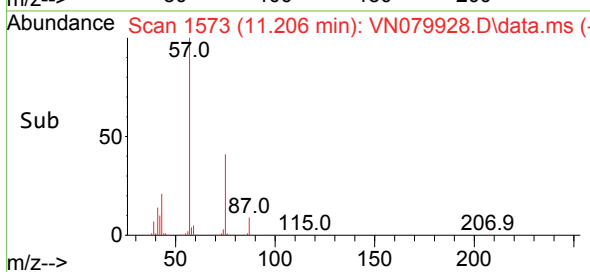
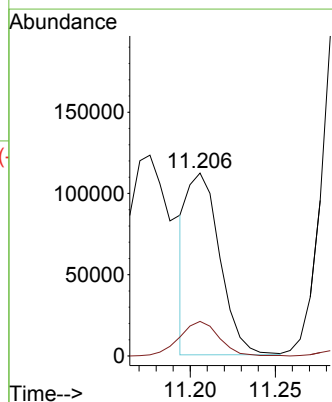
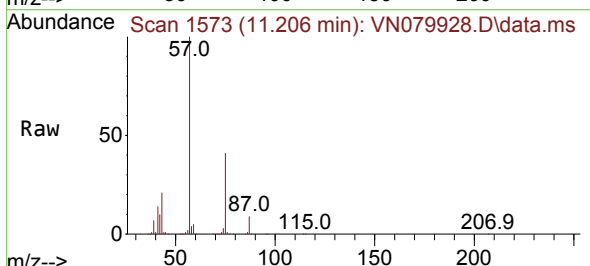
Acq: 06 Nov 2023 17:21

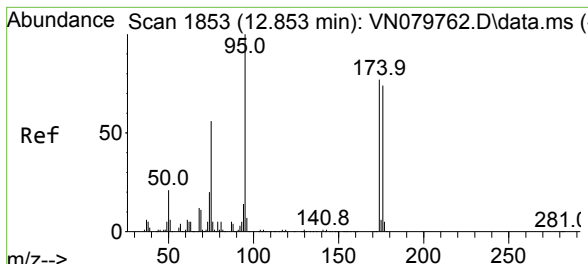
Tgt Ion: 43 Resp: 148757

Ion Ratio Lower Upper

43 100

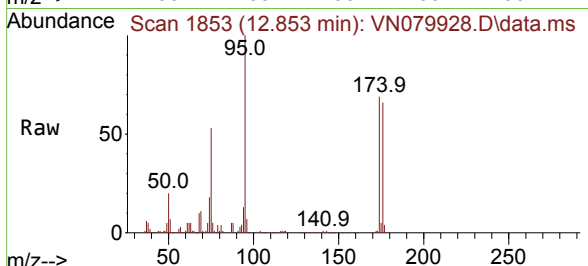
58 23.2 31.7 95.1#



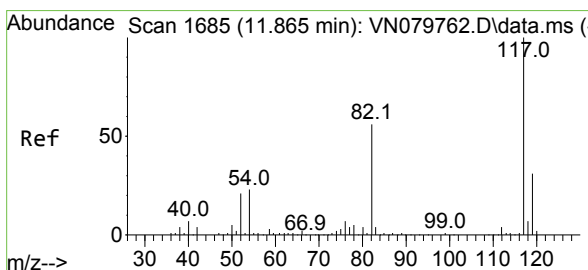
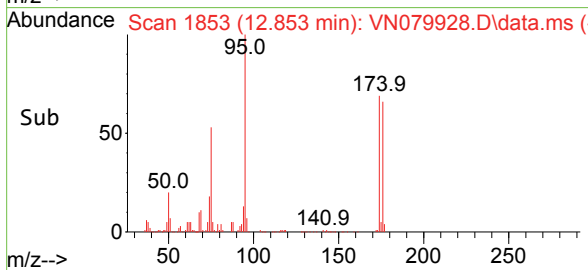
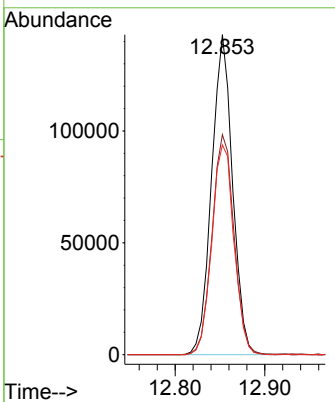


#62
 4-Bromofluorobenzene
 Concen: 54.359 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. -0.000 min
 Lab File: VN079928.D
 Acq: 06 Nov 2023 17:21

Instrument :
 MSVOA_N
 ClientSampleId :

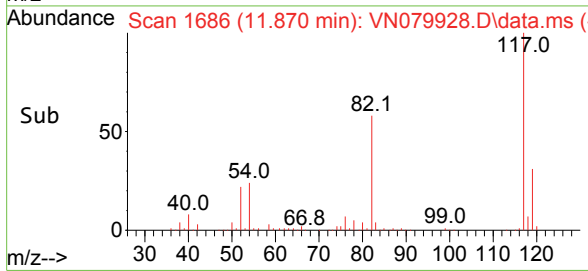
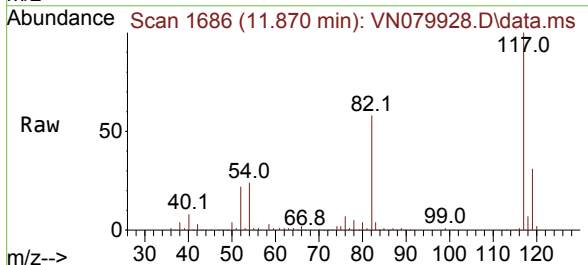
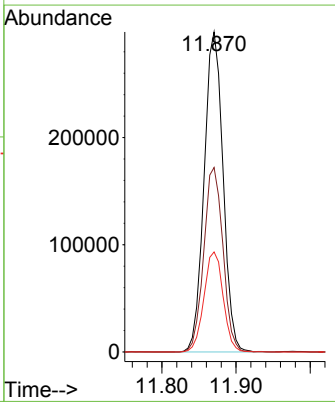


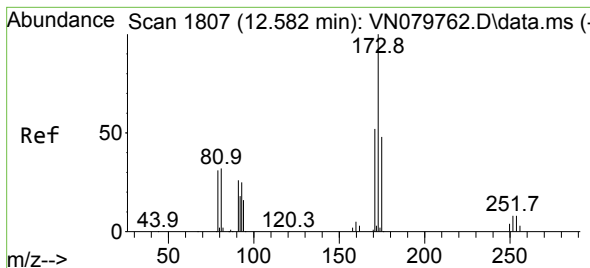
Tgt Ion:	95	Resp:	231775
Ion	Ratio	Lower	Upper
95	100		
174	72.1	0.0	143.8
176	69.1	0.0	135.8



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.870 min Scan# 1686
 Delta R.T. -0.000 min
 Lab File: VN079928.D
 Acq: 06 Nov 2023 17:21

Tgt Ion:	117	Resp:	529417
Ion	Ratio	Lower	Upper
117	100		
82	57.6	44.0	66.0
119	31.2	25.6	38.4





#71

Bromoform

Concen: 0.606 ug/l

RT: 12.847 min Scan# 1807

Delta R.T. 0.265 min

Lab File: VN079928.D

Acq: 06 Nov 2023 17:21

Instrument :

MSVOA_N

ClientSampleId :

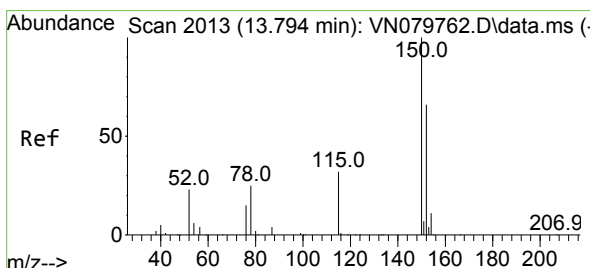
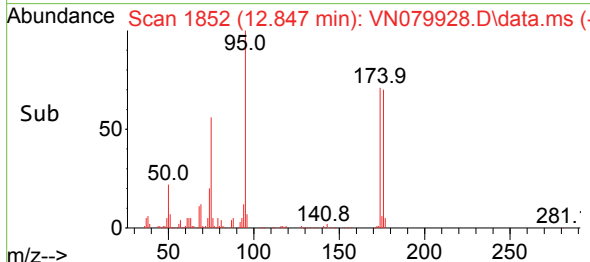
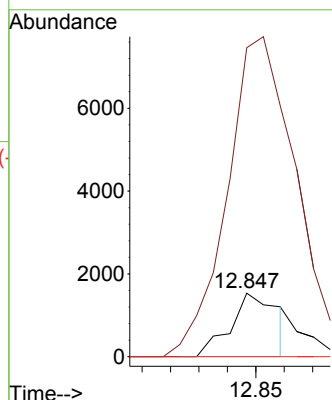
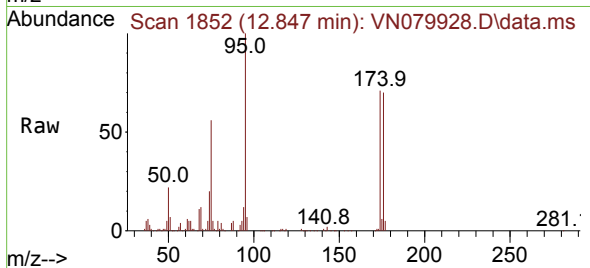
Tgt Ion:173 Resp: 1779

Ion Ratio Lower Upper

173 100

175 572.9 24.3 73.0#

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. -0.000 min

Lab File: VN079928.D

Acq: 06 Nov 2023 17:21

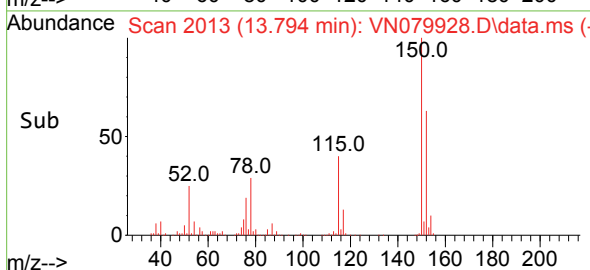
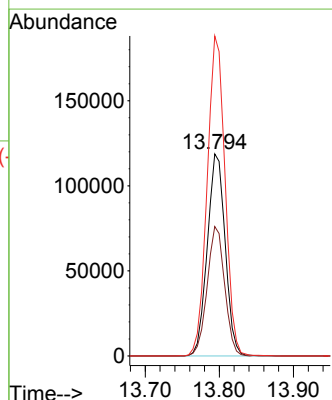
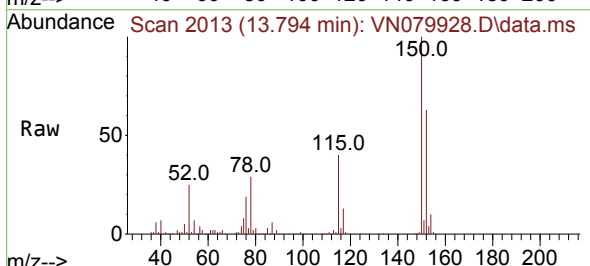
Tgt Ion:152 Resp: 199196

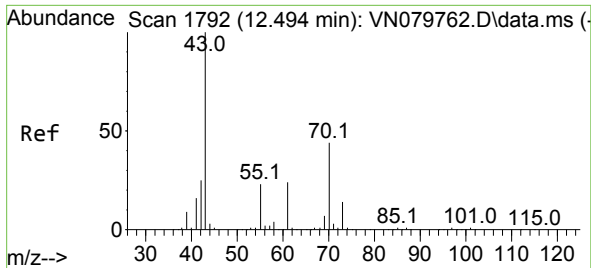
Ion Ratio Lower Upper

152 100

115 62.7 32.3 96.8

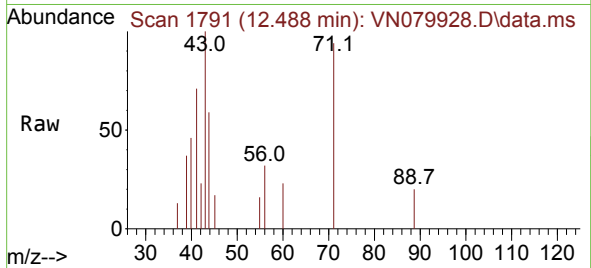
150 158.0 0.0 355.8



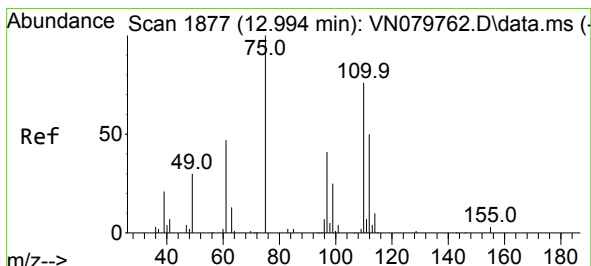
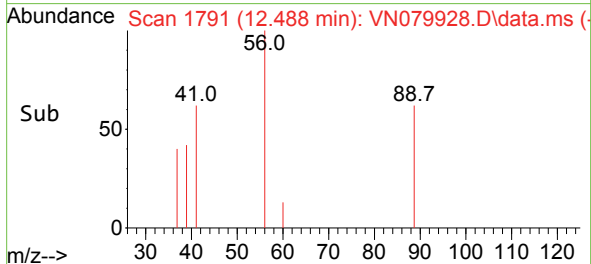
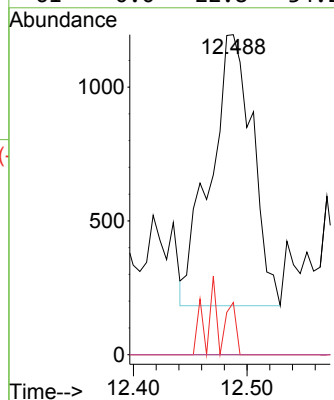


#74
N-amy1 acetate
Concen: 0.396 ug/l
RT: 12.488 min Scan# 1791
Delta R.T. -0.006 min
Lab File: VN079928.D
Acq: 06 Nov 2023 17:21

Instrument :
MSVOA_N
ClientSampleId :

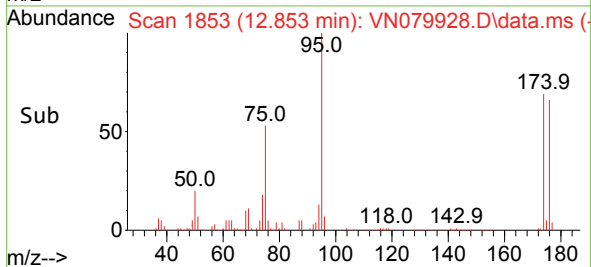
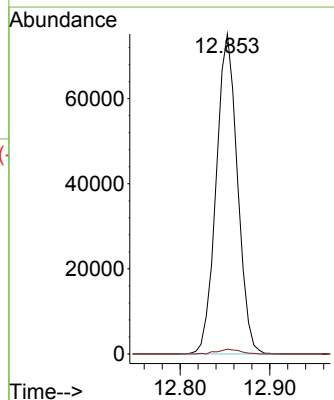
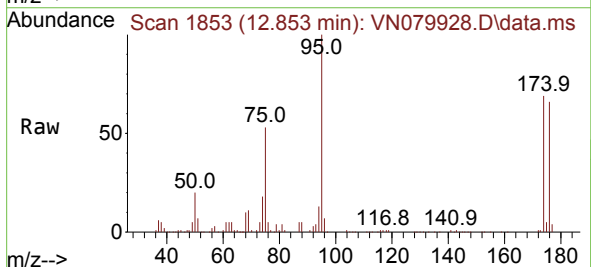


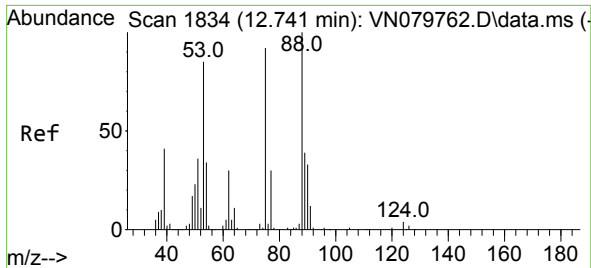
Tgt Ion: 43	Resp: 2612
Ion Ratio	Lower Upper
43 100	
70 0.0	43.4 65.2#
55 3.9	21.4 32.0#
61 0.0	22.8 34.2#



#76
1,2,3-Trichloropropane
Concen: 26.479 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN079928.D
Acq: 06 Nov 2023 17:21

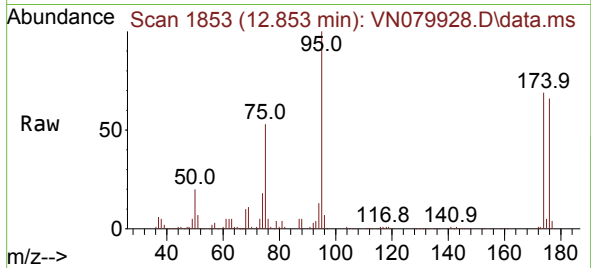
Tgt Ion: 75	Resp: 123831
Ion Ratio	Lower Upper
75 100	
77 1.6	84.5 253.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 72.044 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.118 min
 Lab File: VN079928.D
 Acq: 06 Nov 2023 17:21

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 123831
 Ion Ratio Lower Upper
 75 100
 53 0.2 67.4 101.2#
 89 0.0 38.8 58.2#

